

What is claimed is:

1 1. A mirror and mirror holder comprising:

2 a mirror having a longitudinal direction and a width direction perpendicular to the  
3 longitudinal direction that define a plane perpendicular to a normal to the reflecting surface of the  
4 mirror, having a first surface extending in the longitudinal direction and perpendicular to the  
5 width direction, and having end portions at opposite ends in the longitudinal direction;

6 a mirror holder for supporting said mirror and protecting the mirror on the top, bottom  
7 and back sides as well as on both ends;

8 a force dispersion plate contained in the mirror holder that includes a surface arranged  
9 adjacent the upper edge of said mirror at a central portion of said mirror in the longitudinal  
10 direction of said mirror; and

11 an adjustment device in the mirror holder for pressing said surface of the force dispersion  
12 plate against the upper edge of the mirror so that the central portion of said mirror flexes in the  
13 width direction relative to end portions of the mirror held in the mirror holder.

1 2. The mirror and mirror holder of claim 1, wherein said mirror is a cylindrical mirror with its  
2 greater length extending in the longitudinal direction.

1 3. The mirror and mirror holder of claim 1, and further comprising

2 projections of the mirror holder, which support the bottom of the mirror near both ends of  
3 the mirror in the longitudinal direction; and

4 said adjustment device is installed in the central section of the longitudinal direction of  
5 the mirror holder, and presses against the top edge of the mirror.

1 4. The mirror and mirror holder of claim 3, wherein said mirror is a cylindrical mirror with its  
2 greater length extending in the longitudinal direction.

1 5. The mirror and mirror holder of claim 1, wherein

2 said force dispersion plate is L-shaped with one leg of the L-shaped plate providing said  
3 surface of the force dispersion plate and the other leg of the L-shaped plate engaging a hole  
4 formed in said mirror holder for maintaining the position of the L-shaped plate.

1 6. The mirror and mirror holder of claim 1, in combination with a light scanning device, said  
2 light scanning device comprising:

3 a light source that produces a light beam; and

4 a deflection device on which said light beam is incident in an oblique direction and that  
5 sequentially deflects the light beam in different directions in order to form a scanning line;  
6 wherein

7 said mirror reflects light deflected from the deflection device so as to form a scanning line  
8 on an object; and

9 said adjustment device flexes the central portion of said mirror in order to reduce or  
10 eliminate bow in the scanning line on said object due to said light beam being incident on said  
11 deflection device in an oblique direction.

1 7. The mirror and mirror holder of claim 2, in combination with a light scanning device, said  
2 light scanning device comprising:

3 a light source that produces a light beam; and

4 a deflection device on which said light beam is incident in an oblique direction and that  
5 sequentially deflects the light beam in different directions in order to form a scanning line;  
6 wherein

7 said mirror reflects light deflected from the deflection device so as to form a scanning line  
8 on an object; and

9 said adjustment device flexes the central portion of said mirror in order to reduce or  
10 eliminate bow in the scanning line on said object due to said light beam being incident on said  
11 deflection device in an oblique direction.

1 8. The mirror and mirror holder of claim 3, in combination with a light scanning device, said  
2 light scanning device comprising:

3 a light source that produces a light beam; and

4 a deflection device on which said light beam is incident in an oblique direction and that  
5 sequentially deflects the light beam in different directions in order to form a scanning line;  
6 wherein

7 said mirror reflects light deflected from the deflection device so as to form a scanning line  
8 on an object; and

9 said adjustment device flexes the central portion of said mirror in order to reduce or  
10 eliminate bow in the scanning line on said object due to said light beam being incident on said  
11 deflection device in an oblique direction.

1 9. The mirror and mirror holder of claim 4, in combination with a light scanning device, said  
2 light scanning device comprising:

3 a light source that produces a light beam; and

4 a deflection device on which said light beam is incident in an oblique direction and that  
5 sequentially deflects the light beam in different directions in order to form a scanning line;  
6 wherein

7 said mirror reflects light deflected from the deflection device so as to form a scanning line  
8 on an object; and

9 said adjustment device flexes the central portion of said mirror in order to reduce or  
10 eliminate bow in the scanning line on said object due to said light beam being incident on said  
11 deflection device in an oblique direction.

1 10. The mirror and mirror holder of claim 5, in combination with a light scanning device, said  
2 light scanning device comprising:

3 a light source that produces a light beam; and

4 a deflection device on which said light beam is incident in an oblique direction and that

5 sequentially deflects the light beam in different directions in order to form a scanning line;  
6 wherein

7       said mirror reflects light deflected from the deflection device so as to form a scanning line  
8 on an object; and

9       said adjustment device flexes the central portion of said mirror in order to reduce or  
10 eliminate bow in the scanning line on said object due to said light beam being incident on said  
11 deflection device in an oblique direction.